



**COD Interfaces
Assembly Test Plan**

Date: 10/25/2001

Interface Name: PEPS - COD

Developer: Linda Kim Tester Initials: LK/JN

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
Cycle 1: Normal								
Sub-Cycle 1: Send File from EAI Bus to PEPS								
1.1.1		DI File transfer	Send file from EAI Bus to PEPS via 'PEPSENDfile' shell script on the EAI Bus in /export/home/mqm/eai/ftf	Validate MQ Queue Configuration. Validate DI ftfconfig.ini file	Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	"testfile.txt" expected at PEPS in /home/mqm/eai/peps/data/	Pass	
Sub-Cycle 2: Send File from PEPS to the EAI Bus								
1.2.1		DI File transfer	Send file from PEPS to EAI Bus via 'sendfile' shell script on PEPS in /home/mqm/eai/ftf	Validate MQ Queue Configuration. Validate DI ftfconfig.ini file	Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	File from PEPS in /tmp on the EAI Bus server SU35E17	Pass	
1.2.2		DI File transfer	Create a file in the /home/mqm/eai/peps/data/input directory on the PEPS server that matches the *.dat file naming pattern in the dirmon.ini file.	Validates Dirmon.ini configuration. Validate ofile1 and ofile2 configuration.	Dummy full Peps feed file 'schlfile_extract_daily_mmddyy.dat'	Peps extract utility is kicked off as a pre-sender exit and *.dat file is moved to ../archive directory and original file in ../input is deleted. The Peps extract utility creates a *.finished file in the /input directory and that *.finished file is moved to the EAI bus to /export/home/mqm/	Pass	
Sub-Cycle 3: Start an external process from a sender pre process data exit								
1.3.1		DI File transfer	Start an external process('testprocess') from a data exit after a file has been sent from PEPS to EAI Bus via 'sendfileexits' shell script on PEPS /home/mqm/eai/ftf	The sender preprocess has been correctly defined in EAIXits	Dummy test file, "testfile.txt" created by COD EAI Interfaces test team. Dummy testprocess called 'testprocess'	testfile.txt moved from PEPS to EAI Bus /export/home/mqm/eai/ftf/temp.'testprocess' copies the testprocess script from PEPS and copies it to the /tmp directory on	Pass	
Sub-Cycle 4: Start an external process from a sender post process data exit								

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
1.4.1		DI File transfer	Start an external process ('testprocess2') from a data exit after a file has been sent from PEPS to EAI Bus via 'sendfileexits' shell script on PEPS /home/mqm/eai/ftf	The sender postprocess has been correctly defined in EAIEXits	Dummy test file, "testfile.txt" created by COD EAI Interfaces test team. Dummy testprocess called 'testprocess2'	testfile.txt moved from PEPS to EAI Bus /export/home/mqm/eai/ftf/temp.'testprocess2' copies the testprocess2 script from PEPS and copies it to the /tmp directory on PEPS	Pass	
Sub-Cycle 5: Start an external process from a receiver pre process data exit								
1.5.1		DI File transfer	Start an external process ('testprocess3') from a data exit before a file has been received from PEPS to EAI Bus via 'sendfileexits' shell script on PEPS /home/mqm/eai/ftf. Please note: although the shellscript is on PEPS the testprocess3 is at the receiver node (EAI Bus).	The receiver preprocess has been correctly defined in EAIEXits	Dummy test file, "testfile.txt" created by COD EAI Interfaces test team. Dummy testprocess called 'testprocess3'	testfile.txt moved from PEPS to EAI Bus /export/home/mqm/eai/ftf/temp.'testprocess3' copies the testprocess3 script from the EAI Bus and copies it to the /tmp directory on the EAI Bus	Pass	
Sub-Cycle 6: Start an external process from a receiver post process data exit								
1.6.1		DI File transfer	Start an external process ('testprocess4') from a data exit before a file has been received from PEPS to EAI Bus via 'sendfileexits' shell script on PEPS /home/mqm/eai/ftf. Please note: although the shellscript is on PEPS the testprocess4 is at the receiver node (EAI Bus).	The receiver postprocess has been correctly defined in EAIEXits	Dummy test file, "testfile.txt" created by COD EAI Interfaces test team. Dummy testprocess called 'testprocess4'	testfile.txt moved from PEPS to EAI Bus /export/home/mqm/eai/ftf/temp.'testprocess4' copies the testprocess4 script from the EAI Bus and copies it to the /tmp directory on the EAI Bus	Pass	
Sub-Cycle 7: Set Status log flag to 'on' and see status messages during file transfer from DataIntegrator GUI on NT workstation								
1.7.1		DI File transfer	No action needed. This function will be called during test #1.3.1, #1.4.1, #1.5.1, and #1.6.1.	On option set for logging status messages	testfile.txt testprocess testprocess2 testprocess3 testprocess4	Custom status messages are viewable from the DI GUI in the custom messages tab.	Pass	
Sub-Cycle 8: Set Status log flag to 'off' and see no status messages during file transfer from DataIntegrator GUI on NT workstation								
1.8.1		DI File transfer	run 'sendfileexitsoff' shell script	Off option set for logging status messages	testfile.txt testprocess testprocess2 testprocess3 testprocess4	There are no Custom status messages viewable from the DI GUI in the custom messages tab.	Pass	
Sub-Cycle 9: PEPSDeltaBuild function								

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
1.9.1			Call PEPSDeltaBuild() with everything correctly in place		Properly named/dated source file in input directory, specified properties file in properties file	Program will create delta only file in 'midproc' directory	Pass	
Sub-Cycle 10: PEPSShieldTSYS function								
1.10.1			Call PEPSShieldTSYS() with everything correctly in place		Properly named/dated source file in midproc directory, specified properties file in	Program will create 450-byte record file in 'output' directory	Pass	



**COD Interfaces
Assembly Test Plan**

Date: 10/25/2001

Interface Name: PEPS - COD

Developer: Linda Kim Tester Initials: LK

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
Cycle 2 - Expected Error								
Sub-Cycle 1: Source file not found on sender server								
2.1.1		DI File Transfer	Execute "PEPSENDNOFILE" shell script to attempt to send a file that does not exist from the EAI Bus to PEPS		NA	Failure message sent to NOTIFY queue on source QM. Error messages sent to nohup.out logfile.	PASS	
Sub-Cycle 2 : Common Log Function Environment variables are not found -NOT TESTED								
2.2.1		DI File Transfer & Common Log Function	Execute "sendfileexits" shell script without defining the common log function environment variables			Error message logged in common log file.	Not Tested NA	This condition no longer tested because the common log function is no longer used with DataIntegrator
Sub-Cycle 3 : PEPSDeltaBuild() component								
2.3.01		PEPSDeltaBuild()	Call PEPSDeltaBuild() with no properties file specified (no arguments)			Error log function should be called stating that a Properties file must be specified. If debug is turned on, Stack Trace will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.sh with 2301.sh
2.3.02		PEPSDeltaBuild()	Call PEPSDeltaBuild() with invalid properties file name specified			Error log function should be called stating that the file could not be found. If debug is turned on, Stack Trace will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.sh with 2302.sh

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
2.3.03		PEPSDeltaBuild() ()	Call PEPSDeltaBuild() with valid, but inaccessible properties file name specified.			Error log function should be called stating that the file could not be accessed. If debug is turned on, Stack Trace will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by performing Schmod 000 PEPSDELTA.properties (where PEPSDELTA.properties is normally set to 644)
2.3.04		PEPSDeltaBuild() ()	Call PEPSDeltaBuild() with Properties file property "FromDirectory" blank			Error log function should be called stating that the "FromDirectory" property was not specified in the properties file. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2304.properties
2.3.05		PEPSDeltaBuild() ()	Call PEPSDeltaBuild() with Properties file property "ToDirectory" blank			Error log function should be called stating that the "ToDirectory" property was not specified in the properties file. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2305.properties
2.3.06		PEPSDeltaBuild() ()	Call PEPSDeltaBuild() with Properties file property "RecordLength" blank			Error log function should be called stating that the "RecordLength" property was not specified in the properties file. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2306.properties
2.3.07		PEPSDeltaBuild() ()	Call PEPSDeltaBuild() with Properties file property "RecordLength" set to a non-numeric value			Error log function should be called stating that the "RecordLength" property was not numeric in the properties file. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2307.properties

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/ Fail	Comments
2.3.08		PEPSDeltaBuild())	Call PEPSDeltaBuild() with Properties file property "RecordLength" set to a number smaller than 60 (the Trailer length)			Error log function should be called stating that the "RecordLength" property was smaller than allowable. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2308.properties
2.3.09		PEPSDeltaBuild())	Call PEPSDeltaBuild() with FromDirectory not containing the Source File			Error log function should be called stating that "A properly named source file was not found in the FromDirectory specified in the properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2309.properties
2.3.10		PEPSDeltaBuild())	Call PEPSDeltaBuild() with invalid From Directory.			Error log function should be called stating that "A properly named source file was not found in the FromDirectory specified in the properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2310.properties
2.3.11		PEPSDeltaBuild())	Call PEPSDeltaBuild() with non-existent "ToDirectory" specified in the properties file			Error log function should be called stating that "ToDirectory specified in properties file does not exist or did not allow write access." If debug is turned on, Stack Trace will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by replacing PEPSDELTA.properties with 2311.properties

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
2.3.12		PEPSDeltaBuild())	Call PEPSDeltaBuild() with inaccessible "ToDirectory" specified in the properties file			Error log function should be called stating that "ToDirectory specified in properties file does not exist or did not allow write access." If debug is turned on, Stack Trace will be printed. In all situations, process will end, following processes will fail because no file was created.	PASS	Tested by performing Schmod 000 midproc (where midproc is normally set to 666)
2.3.13		PEPSDeltaBuild())	Call PEPSDeltaBuild() with source file that contains record type "12" with a "Y" in the 11th character			Error log function should be called stating that "Invalid Record Type found" If debug is turned on, Stack Trace will be printed. In all situations, process will end.		Tested by replacing test input file with 2313.dat
2.3.14		PEPSDeltaBuild())	Call PEPSDeltaBuild() with source file that contains record type "12" with a "N" in the 11th character			No error should be called. Adapter does not edit unchanged records.	PASS	Tested by replacing test input file with 2314.dat
2.3.15		PEPSDeltaBuild())	Call PEPSDeltaBuild() with a source file containing 10% changed records			Log function should signal beginning and successful end of process.	PASS	Tested by replacing test input file with 2315.dat
2.3.16		PEPSDeltaBuild())	Call PEPSDeltaBuild() with a properties file that does not contain the fromDirectory property			Error log function should be called stating that "Property FromDirectory not specified in properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSDELTA.properties with 2316.properties
2.3.17		PEPSDeltaBuild())	Call PEPSDeltaBuild() with a properties file that does not contain the toDirectory property			Error log function should be called stating that "Property toDirectory not specified in properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.		Tested by replacing PEPSDELTA.properties with 2317.properties

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
2.3.18		PEPSDeltaBuild())	Call PEPSTDeltaBuild() with a properties file that does not contain the recordLength property			Error log function should be called stating that "Property recordLength not specified in properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.		Tested by replacing PEPSDELTA.properties with 2318.properties
Sub-Cycle 4 : PEPSShieldTSYS() component								
2.4.01		PEPSShieldTSYS())	Call PEPSShieldTSYS() with no properties file specified (no arguments)			Error log function should be called stating that a Properties file must be specified. If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.sh with 2401.sh
2.4.02			Call PEPSShieldTSYS() with invalid properties file name specified			Error log function should be called stating that the file could not be found. If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.sh with 2402.sh
2.4.03			Call PEPSShieldTSYS() with valid, but inaccessible properties file name specified.			Error log function should be called stating that the file could not be accessed. If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by performing Schmod 000 PEPSSHIELD.properties (where PEPSSHIELD.properties is normally set to 644)
2.4.04			Call PEPSShieldTSYS() with Properties file property "FromDirectory" blank			Error log function should be called stating that the "FromDirectory" property was not specified in the properties file. If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.properties with 2404.properties

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/ Fail	Comments
2.4.05			Call PEPSShieldTSYS() with Properties file property "ToDirectory" blank			Error log function should be called stating that the "ToDirectory" property was not specified in the properties file. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.properties with 2405.properties
2.4.06			Call PEPSShieldTSYS() with Properties file property "RecordLength" blank			Error log function should be called stating that the "RecordLength" property was not specified in the properties file. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	REMOVED. PROPERTY DOES NOT EXIST FOR PEPSSHIELD METHOD.
2.4.07			Call PEPSShieldTSYS() with Properties file property "RecordLength" set to a non-numeric value			Error log function should be called stating that the "RecordLength" property was not numeric in the properties file. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	REMOVED. PROPERTY DOES NOT EXIST FOR PEPSSHIELD METHOD.
2.4.08			Call PEPSShieldTSYS() with Properties file property "RecordLength" set to a number smaller than 60 (the Trailer length)			Error log function should be called stating that the "RecordLength" property was smaller than allowable. If debug is turned on, Stack Tracek will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	REMOVED. PROPERTY DOES NOT EXIST FOR PEPSSHIELD METHOD.

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/ Fail	Comments
2.4.09			Call PEPSShieldTSYS() with FromDirectory not containing the Source File			Error log function should be called stating that "A properly named source file was not found in the FromDirectory specified in the properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.properties with 2409.properties
2.4.10			Call PEPSShieldTSYS() with invalid From Directory.			Error log function should be called stating that "A properly named source file was not found in the FromDirectory specified in the properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.properties with 2410.properties
2.4.11			Call PEPSShieldTSYS() with non-existent "ToDirectory" specified in the properties file			Error log function should be called stating that "ToDirectory specified in properties file does not exist or did not allow write access." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.properties with 2411.properties
2.4.12			Call PEPSShieldTSYS() with inaccessible "ToDirectory" specified in the properties file			Error log function should be called stating that "ToDirectory specified in properties file does not exist or did not allow write access." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by performing Schmod 000 output (where output is normally set to 666)

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/ Fail	Comments
2.4.13			Call PEPSShieldTSYS() with fromDirectory missing from the properties file			Error log function should be called stating that "Property FromDirectory not specified in properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.properties with 2413.properties
2.4.14			Call PEPSShieldTSYS() with toDirectory missing from the properties file			Error log function should be called stating that "Property toDirectory not specified in properties file." If debug is turned on, Stack Trace will be printed. In all situations, process will end, leaving no file to be transferred.	PASS	Tested by replacing PEPSSHIELD.properties with 2414.properties



**COD Interfaces
Assembly Test Plan**

Date: 10/25/2001

Interface Name: PEPS - COD

Developer: Linda Kim Tester Initials: LK

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/ Fail	Comments
Cycle 3 - Unexpected Error								
Sub-Cycle 1: MQ Queue Manager is unavailable								
3.1.1		DI File Transfer	Change destination queue manager to a QM that does not exist to simulate a Queue Manager being unavailable. Send file from EAI Bus to PEPS via 'PEPSENDnoMQ1' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	MQMon must notify that QM is down. Failure message sent to NOTIFY queue on source QM.	PASS	
3.1.2		DI File Transfer	Change source queue manager to a QM that does not exist to simulate a Queue Manager being unavailable. Send file from EAI Bus to PEPS via 'PEPSENDnoMQ2' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	MQMon must notify that QM is down. Failure message sent to standard out.	PASS	
Sub-Cycle 2: MQ Queues and Channels are unavailable								
3.2.1		DI File Transfer	Stop MQ channel EAIA1.PEPST1 Send file from EAI Bus to PEPS via 'PEPSENDfile' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	Failure message sent to NOTIFY queue. No failure message in log file. The request will need to expire.	PASS	Once the channel is restarted the file is successfully moved. This could be a problem if the channels are set to automatically attempt restarts since the NOTIFY queue will increment. The file could be sent automatically even after a message is sent to the NOTIFY queue.
Sub-Cycle 3: DataIntegrator sender/receiver/manager services are unavailable								
3.3.1		DI File Transfer	Issues 'tfend' command to stop DI services on source (EAI Bus) and send file from EAI Bus to PEPS via 'PEPSENDfile' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	Request will have to expire. No error message.	PASS	Once the ftf processes are started up again the file be successfully transferred even without resubmission.

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/ Fail	Comments
3.3.2		DI File Transfer	Issues 'ftfend' command to stop DI services on destination (PEPS) and send file from EAI Bus to PEPS via 'PEPSSendfile' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	Request will have to expire. No error message.	PASS	Once the ftf processes are started up again the file be successfully transferred even without resubmission.
Sub-Cycle 4: DataIntegrator specific queues are filled past capacity								
3.4.1		DI File Transfer	Make DI queues exceed max size capacity. Send file from EAI Bus to PEPS via 'sendfile' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	File transfer takes longer than expected	PASS	The result was unexpected. Expected Queues to fill up and messages to go to the dead letter queue.
Sub-Cycle 5: DataIntegrator DirMon service is unavailable								
3.5.1		DI File Transfer	Issue Dirmon End command and create a file in the appropriate directory on PEPS that matches the file naming pattern.		Dummy test file, "dirmontest.txt" created by COD EAI Interfaces test team.	File will not be moved from source directory on PEPS	PASS	A monitor needs to be verifying that the dirmon process is running.